



Inspire A Better Tomorrow



Flowkem[®]
PIPES & FITTINGS

uPVC **boreflow** Column Pipes for Submersible Pumps



Lead Free



Corrosion Resistant



UV Resistant



Cost Effective



Leak Proof

Web : www.flowkempipes.com
Customer Care No. : 1800 891 9910

Flowkem Poly Plast Pvt. Ltd.

uPVC
boreflow
Column Pipes
for Submersible Pumps



CPVC, UPVC, RPVC, Column, SWR, Casing,
AGRI Pipes and Fittings

The Best Alternative Option to GI Pipes

- Excellent corrosion and chemical resistant properties
- Strong and durable
- Easy and quick installation
- Long life WITH BOREFLOW Column Pipes

FLOWKEM started the journey from manufacturing Ball Valves and was incorporated in 2014 with a vision to provide best quality pipes and fittings across the country. Today we are an ISO 9001:2015 certified organisation whose aim is to make quality products available to every household and industry at best prices in the country.

Our manufacturing facility located at Ahmedabad (Gujarat) is equipped with modern and state of art machinery and infrastructure, covering a total area of 18 acres of which 22000 Square metres of constructed area with 05 extrusion machines and 70 Injection moulding machines. Our products are produced in accordance with the Indian standards set by Bureau of Indian Standards (BIS) and other approving agencies.

We manufacture CPVC, UDS/UGD, UPVC, Blue Casing, SWR Pipes & Fittings and Agriculture Pipes and Moulded Fittings. The Pipes and Fittings are available in various sizes, pressure classes and diameters fit for diversified applications in both Agricultural as well as Non-Agricultural Sectors including Housing, Industrial and Construction.

Under the leadership of Mr. Shailesh Patel, Managing Director, FLOWKEM has expanded into the plumbing industry. He is a person of great vision, exemplary talents and many achievements. His energy and enthusiasm have brought the Company to achieve many milestones. Beginning the journey from manufacturing Ball-valves in 2002 to venturing into Plumbing and Drainage Systems, FLOWKEM has grown to be one of the popular brands in many markets in India.

Now FLOWKEM is Introducing Column Pipes for Bore Well Applications, Designed and Manufactured using Latest Materials and Technology, FLOWKEM Column Pipes are the Most Suitable Pipes for Submersible Pumps Offering Several more Advantages like ease of Installation and Function over GI Pipes

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Agricultural
Non-Agricultural
Housing
Industrial
Construction

PVC Pipe Joint System

with Coupler & Special SS Locking System for Extra Pump Safety.



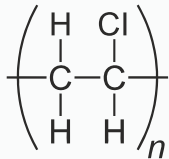
Special SS Locking System :

For your pump safety *(Applied For Patent)*

The couplers are fitted on the pipe sizes from 33 mm OD (1") up to 113 mm OD (4"). The couplers are locked with reverse threaded check nut ring mechanism to ensure that during installation and removal of pumps, the coupler does Not come out, resulting in pipes slippage. The reverse threaded check nut ring mechanism locking system with the unique design made only by Flowkem is a new development adding value to the product.

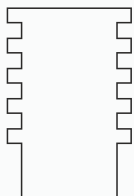
Special Compound :

Flowkem Column Pipes are manufactured from especially designed uPVC compound to make it sufficiently strong against loads and pressure that they may encounter during installation and use.



Square Threads :

Unique Square Threads made on CNC Machines provide sufficient grip and additional strength against tensile loads. Thus the joints become fairly strong with sufficient safety factor to take care of load of entire assembly along with weight of the pump. These specially designed threads also make them suitable for easy joining and re-joining several times.



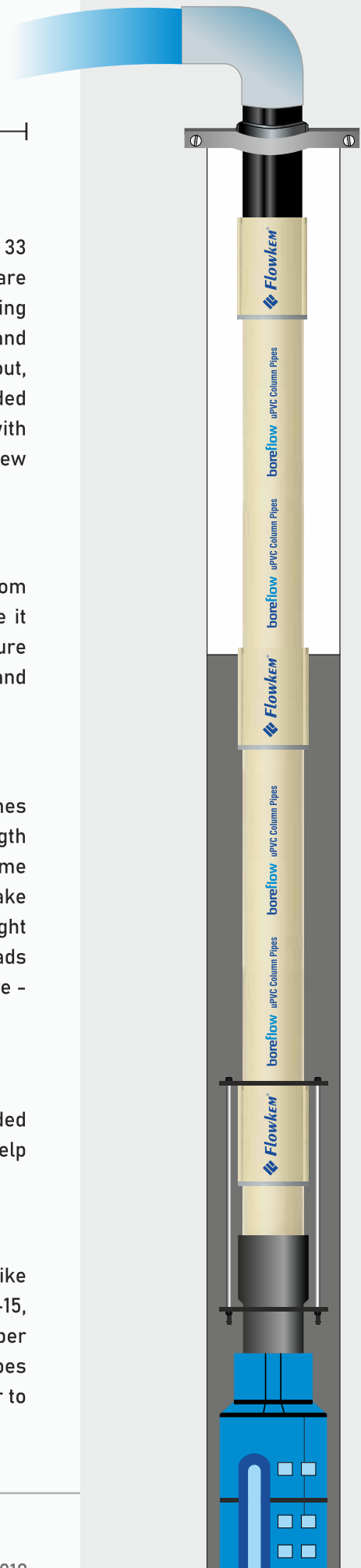
Double Step Sealing Ring :

Specially designed rubber sealing rings provided on the threads make the joints watertight and help absorb pump vibrations



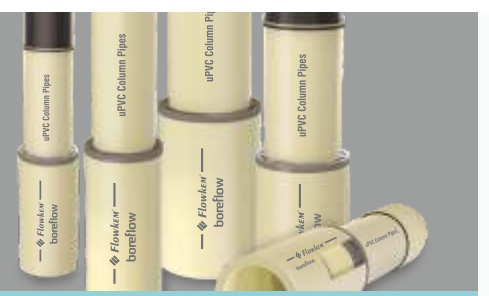
Wide Range :

Flowkem offers a wide range of column pipes like 25 to 100 mm (1" to 4") dia in eco -12.5, v4-15, Medium, Medium Plus, Standard, Heavy & Super Heavy variants these seven varieties of pipes designed for different Installation depths cater to all the pump delivery head.



uPVC boreflow Column Pipes

for Submersible Pumps



Technical Specifications

Size & Type	Working Pressure	Wall Thickness in mm		Outer Dia in mm		Effective Length in mm	Length of Thick Thin
		End	Barrel	Min	Max		
		Min/Max	Min/Max				
OD - 33mm (1") ND : 25mm							
ECO - 12.5 (Bell Type)	12.5	3.95/4.20	1.60/1.85	32.8	33.2	3000±10mm	120-120
ECO - 12.5 (Socket Type)	12.5	3.95/4.20	1.60/1.85	32.8	33.2	3000±10mm	
V ₄ (Bell Type)	15.0	4.00/4.25	1.90/2.15	32.8	33.2	3000±10mm	200-200
V ₄ (Socket Type)	15.0	4.00/4.25	1.90/2.15	32.8	33.2	3000±10mm	
Medium (Socket Type)	21.0	4.00/4.25	2.25/2.50	32.8	33.2	3000±10mm	
Standard (Socket Type)	30.0	5.20/5.50	3.10/3.40	32.8	33.2	3000±10mm	
OD - 42mm (1 ¼") ND : 32mm							
ECO - 12.5 (Bell Type)	12.5	4.30/4.50	2.00/2.30	41.8	42.2	3000±10mm	120-120
ECO - 12.5 (Socket Type)	12.5	4.30/4.50	2.00/2.30	41.8	42.2	3000±10mm	
V ₄ (Bell Type)	15.0	4.50/4.80	2.40/2.70	41.8	42.2	3000±10mm	150-150
V ₄ (Socket Type)	15.0	4.50/4.80	2.4/2.70	41.8	42.2	3000±10mm	
Medium (Socket Type)	21.0	4.95/5.25	2.85/3.15	41.8	42.2	3000±10mm	
Standard (Socket Type)	25.0	5.45/5.75	3.35/3.65	41.8	42.2	3000±10mm	200-200
Heavy (Socket Type)	35.0	6.65/6.95	4.55/4.85	41.8	42.2	3000±10mm	250-250
OD - 48mm (1 ½") ND : 40mm							
ECO - 12.5 (Bell Type)	12.5	4.60/4.90	2.30/2.60	47.8	48.2	3000±10mm	120-120
ECO - 12.5 (Socket Type)	12.5	4.60/4.90	2.30/2.60	47.8	48.2	3000±10mm	
V ₄ (Bell Type)	15.0	4.85/5.15	2.75/3.05	47.8	48.2	3000±10mm	200-200
V ₄ (Socket Type)	15.0	4.85/5.15	2.75/3.05	47.8	48.2	3000±10mm	
Medium (Socket Type)	21.0	5.35/5.56	3.25/3.55	47.8	48.2	3000±10mm	
Standard (Socket Type)	26.0	6.05/6.35	3.95/4.25	47.8	48.2	3000±10mm	
Heavy (Socket Type)	35.0	7.30/7.65	5.20/5.60	47.8	48.2	3000±10mm	250-250
S. Heavy (Socket Type)	40.0	8.50/8.85	6.00/6.30	47.8	48.2	3000±10mm	

OD - 60mm (2") ND : 50mm							
ECO Medium	08	4.00/4.30	1.80/2.10	59.8	60.2	3000±10mm	150-150
Medium (Socket Type)	13	5.10/5.40	2.60/2.90	59.8	60.2	3000±10mm	
Medium + (Socket Type)	17	5.40/5.70	3.20/3.50	59.8	60.2	3000±10mm	200-200
Standard (Socket Type)	20	6.40/6.70	3.90/4.20	59.8	60.2	3000±10mm	
Heavy (Socket Type)	27	7.80/8.10	5.30/6.60	59.8	60.2	3000±10mm	
S. Heavy (Socket Type)	35	9.00/9.35	6.50/6.85	59.8	60.2	3000±10mm	250-250
OD - 75mm (2 ½") ND : 65mm							
Medium (Socket Type)	10	5.10/5.35	2.60/2.90	74.8	75.2	3000±10mm	200-200
Standard (Socket Type)	16	6.50/6.80	4.00/4.40	74.8	75.2	3000±10mm	
Heavy (Socket Type)	26	9.00/9.40	6.30/5.60	74.8	75.2	3000±10mm	
S. Heavy (Socket Type)	35	10.80/11.20	8.30/8.70	74.8	75.2	3000±10mm	250-250
OD - 88mm (3") ND : 80mm							
Medium (Socket Type)	11	5.70/6.00	3.20/3.50	87.8	88.2	3000±10mm	200-200
Standard (Socket Type)	17	7.50/7.80	5.00/5.40	87.8	88.2	3000±10mm	
Heavy (Socket Type)	26	9.80/10.20	7.30/7.70	87.8	88.2	3000±10mm	
S. Heavy (Socket Type)	35	12.40/11.80	9.70/10.10	87.8	88.2	3000±10mm	250-250
OD - 113mm (4") ND : 100mm							
Medium (Socket Type)	10	6.30/6.70	3.80/4.20	112.7	113.2	3000±10mm	200-200
Standard (Socket Type)	15	8.20/8.60	5.70/6.10	112.7	113.2	3000±10mm	
Heavy (Socket Type)	26	12.20/12.60	9.40/9.80	112.7	113.2	3000±10mm	
S. Heavy (Socket Type)	35	15.10/15.50	12.60/13.00	112.7	113.2	3000±10mm	250-250








Load & Pressure Technical Chart

Size in in mm	Class	Safe allowable pressure (kg/cm2)	Ultimate Breaking Load (kgf)	Safe Pulling Load (kgf)
1" 25mm	Eco	12.5	850	500
	V4	15	1000	600
	Med	21	1250	750
	Std	30	1900	1100
1 ½" 32mm	Eco	12.5	1300	800
	V4	15	1550	900
	Med	21	1800	1050
	Std	25	2550	1550
	Heavy	35	3100	1800
	S. Heavy	40	3500	1850
1 ½" 40mm	Eco	12.5	1700	1000
	V4	15	2000	1200
	Med	21	2500	1500
	Std	26	2950	1700
	Heavy	35	4050	2350
	S. Heavy	40	4100	2400

Size in in mm	Class	Safe allowable pressure (kg/cm2)	Ultimate Breaking Load (kgf)	Safe Pulling Load (kgf)
2" 50mm	Eco	08	1700	1000
	Med	13	2450	1450
	Med+	17	3150	1850
	Std	20	3600	2100
	Heavy	27	4700	2800
	S. Heavy	35	5650	3350
1 ½" 65mm	Med	10	3100	1800
	Std	16	4650	2700
	Heavy	26	7000	4200
	S. Heavy	35	9000	5300
3" 80mm	Med	11	4400	2600
	Std	17	6800	4000
	Heavy	26	9600	5650
4" 100mm	S. Heavy	35	12400	7300
	Med	10	6800	4000
	Std	15	10000	5900
	Heavy	26	15900	9350
	S. Heavy	35	20600	12150

Colour Coding of Pipes

The colour with which the specification of pipe is printed (on the pipe) varies with different pipe classes.

CLASS OF PIPES	PRINTING COLOUR	
ECO - 12.5	BLACK	
V4 - 15	PURPLE	
MEDIUM	GREEN	
MEDIUM PLUS	GREEN	
STANDARD	RED	
HEAVY	BROWN	
SUPER HEAVY	BLACK	



Flowkem[®]
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Manufactured By :

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